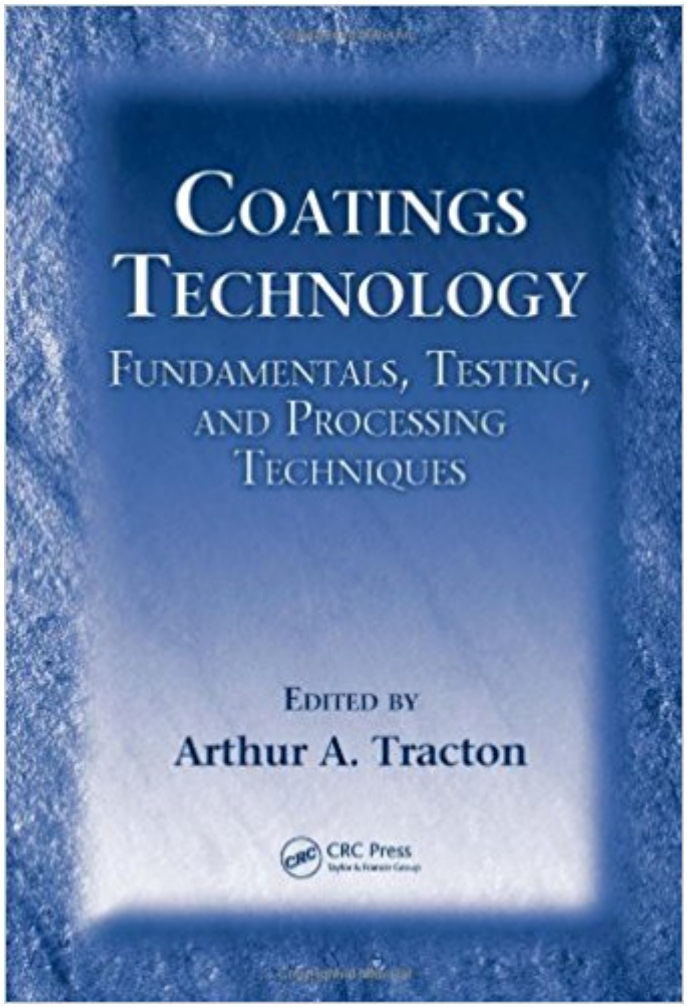
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Coatings Technology: Fundamentals, Testing, And Processing Techniques



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Synopsis

Drawn from the third edition of The Coatings Technology Handbook, this book focuses entirely on testing, experimental design, and strategies for selecting processing techniques in the coatings, adhesives, paints, and inks industries. Coatings Technology: Fundamentals, Testing, and Processing Techniques contains the latest coating and processing methods capable of satisfying increasingly precise, application-specific requirements.The book contains analytical techniques used to elucidate surface chemistry, adhesion, and other physical properties. It also presents practical methods, such as accelerated light stability tests, to compare the resistance of different materials to wear, UV light/fading, and weathering. Subsequent chapters explore the most suitable techniques and the equipment for applying materials to different substrates, depending on material properties, service needs, and substrate types. Considering metal and nonmetal coatings and substrates, the book highlights the most recent advances on ink-jet printing, electrodeposition, vapor/chemical deposition technologies, high-speed dispersion, and other cutting-edge methods.Coatings Technology: Fundamentals, Testing, and Processing Techniques provides the the necessary information for scientists and engineers to perform testing and determine what materials and processing technique is most suitable for their own applications.

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